

STATEMENT OF BASIS (AI No. 19847)

for draft Louisiana Pollutant Discharge Elimination System permit No. LA0071790 to discharge to waters of the State of Louisiana.

THE APPLICANT IS: House of Raeford Farms of Louisiana, LLC
Poultry Feed Mill
P.O. Box 707
Arcadia, LA 71001

ISSUING OFFICE: Louisiana Department of Environmental Quality (LDEQ)
Office of Environmental Services
Post Office Box 4313
Baton Rouge, Louisiana 70821-4313

PREPARED BY: Ronda Burtch

DATE PREPARED: March 22, 2010

1. PERMIT STATUS

A. Reason For Permit Action:

Permit reissuance of a Louisiana Pollutant Discharge Elimination System (LPDES) permit for a 5-year term

**B. NPDES permit – NPDES permit effective date: N/A
NPDES permit expiration date: N/A
EPA has not retained enforcement authority.**

**C. LPDES permits – LA0071790
LPDES permit effective date: September 1, 2005
LPDES permit expiration date: August 31, 2010**

D. Date Application Received: December 30, 2009

2. FACILITY INFORMATION

A. FACILITY TYPE/ACTIVITY - poultry feed mill

This is an existing facility that makes poultry feed from corn, soybean meal, and rice meal. The facility receives the raw materials (corn, soy, rice, liquid fat) and mixes them with various vitamins and minerals, and then pelletizes and trucks to chicken houses for consumption.

The water used at this facility is to control the dust produced from the grain. Grain dust control water and stormwater runoff are discharged from this facility. The solid waste produced at this facility is taken off-site.

B. FEE RATE

1. Fee Rating Facility Type: minor
2. Complexity Type: II
3. Wastewater Type: III
4. SIC Code: 2048

**C. LOCATION - 100 N. Depot St. in Choudrant, Lincoln Parish
Latitude 32° 31' 34", Longitude 92° 30' 41"**

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3. **OUTFALL INFORMATION**

Outfall 001

Discharge Type: grain dust control water and stormwater runoff

Treatment: clarifier basin, aerobic lagoon, and filtration

Location: at the point of discharge from filtration system, prior to mixing with other waters

Flow: intermittent because of the stormwater

Discharge Route: local drainage, thence into Choudrant Creek

4. **RECEIVING WATERS**

STREAM - local drainage, thence into Choudrant Creek

BASIN AND SEGMENT - Ouachita Basin, Segment 080605

DESIGNATED USES -

- a. primary contact recreation
- b. secondary contact recreation
- c. propagation of fish and wildlife
- g. outstanding natural resources (*)

(*) Outstanding Natural Resource is listed as a designated use of Segment 080605 (Bayou D'Arbonne-From Bayou D'Arbonne Lake to Ouachita River (Scenic)). However, this designated use is applicable only if the discharge is directly into the named waterbody and not into a tributary or distributary of the waterbody, per LAC33:IX.1111.A.

5. **TMDL STATUS**

Subsegment 080605, Bayou D'Arbonne-From Bayou D'Arbonne Lake to Ouachita River (Scenic), is listed on LDEQ's Final 2006 303(d) List as impaired for dissolved oxygen (EPA - Category 5). To date no TMDLs have been completed for this waterbody. A reopener clause will be established in the permit to allow for the requirement of more stringent effluent limitations and requirements as imposed by a TMDL. Until completion of TMDLs for the Ouachita Basin, those suspected causes for impairment which are not directly attributed to the poultry feed mill point source category have been eliminated in the formulation of effluent limitations and other requirements of this permit. Additionally, suspected causes of impairment which could be attributed to pollutants which were not determined to be discharged at a level which would cause, have the reasonable potential to cause or contribute to an excursion above any present state water quality standard were also eliminated.

The discharges of grain dust control water and stormwater runoff have the potential to discharge pollutants associated with the dissolved oxygen impairment. Compliance with the BOD₅ limitations in this permit should not cause or further contribute to the dissolved oxygen impairment.

6. **CHANGES FROM PREVIOUS PERMIT**

No changes were made from the previous permit.

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7. COMPLIANCE HISTORY/COMMENTS

A. OEC

A review of the files for the period of March 1, 2008 through March 1, 2010, revealed the following:

Enforcement Actions: There are no open enforcement actions administered against this facility.

Inspections:

May 9, 2008 (EDMS Document ID# 36881613)

May 12, 2008 (EDMS Document ID# 36881611)

B. DMR Review/Excursions – A review of the DMRs for the period of January 1, 2008, through December 31, 2009, revealed the following excursion:

Date	Parameter	Reported Value	Permit Limits
January – March 2008	TSS, Daily Max	160 mg/l	135 mg/l

8. EXISTING EFFLUENT LIMITS

Outfall 001 – Grain dust control water and stormwater runoff

Pollutant	Limitation		Monitoring Frequency
	Monthly Avg. (mg/l)	Daily Max. (mg/l)	
Flow	Report	Report	1/quarter
BOD ₅	---	65	1/quarter
TSS	---	135	1/quarter
pH	6.0 s.u. (minimum)	9.0 s.u. (maximum)	1/quarter

9. ENDANGERED SPECIES

The receiving waterbody, Subsegment 080605 of the Ouachita Basin is not listed in Section II.2 of the Implementation Strategy as requiring consultation with the U.S. Fish and Wildlife Service (FWS). This strategy was submitted with a letter dated January 5, 2010 from Rieck (FWS) to Nolan (LDEQ). Therefore, in accordance with the Memorandum of Understanding between the LDEQ and the FWS, no further informal (Section 7, Endangered Species Act) consultation is required. The effluent limitations established in the permit ensure protection of aquatic life and maintenance of the receiving water as aquatic habitat. Therefore, the issuance of the LPDES permit is not likely to have an adverse effect on any endangered or candidate species or the critical habitat.

10. HISTORIC SITES

The discharge is from an existing facility location, which does not include an expansion on undisturbed soils. Therefore, there should be no potential effect to sites or properties on or eligible for listing on the National Register of Historic Places, and in accordance with the "Memorandum of Understanding for the Protection of Historic Properties in Louisiana Regarding LPDES Permits" no consultation with the Louisiana State Historic Preservation Officer is required.

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11. TENTATIVE DETERMINATION

On the basis of preliminary staff review, the Department of Environmental Quality has made a tentative determination to reissue a permit for the discharge described in the application.

12. PUBLIC NOTICES

Upon publication of the public notice, a public comment period shall begin on the date of publication and last for at least 30 days thereafter. During this period, any interested persons may submit written comments on the draft permit and may request a public hearing to clarify issues involved in the permit decision at this Office's address on the first page of the statement of basis. A request for a public hearing shall be in writing and shall state the nature of the issues proposed to be raised in the hearing.

Public notice published in:

Local newspaper of general circulation

Office of Environmental Services Public Notice Mailing List

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Rationale for House of Raeford Farms of Louisiana, LLC

1. **Outfall 001 - grain dust control water and stormwater runoff (estimated flow is intermittent)**

Pollutant	Limitation		Reference
	Monthly Avg	Daily Max	
	mg/L		
Flow	Report	Report	LAC33:IX.2707.I.1.b
BOD ₅	---	65	BPJ; Previous permit
TSS	---	135	BPJ; Previous permit
pH (s.u.)	6.0 (min)	9.0 (max)	BPJ; Previous permit

Treatment: clarifier basin, aerobic lagoon, and filtration

Monitoring Frequency: Quarterly for all parameters.

Limits Justification: Since the washwater from the facility is used to control grain dust and is not a typical utility wastewater, BOD₅, TSS, and pH limitations are based on BPJ and the previous permit. These limitations are based on similar limitations established for sanitary wastewater discharges with an oxidation pond as treatment.

BPJ Best Professional Judgment
s.u. Standard Units

NOTE

For outfalls containing concentration limits, the usage of concentration limits is based on BPJ for similar outfalls since the flow is variable and estimated.

This facility is subject to the Grain Mills Point Source Category Effluent Limitation Guidelines (ELG), Subpart G – Animal feed Subcategory, 40 CFR 406.70. However, process wastewater is not discharged.

STORM WATER POLLUTION PREVENTION PLAN (SWP3) REQUIREMENT

A SWP3 is included in the permit because in accordance with LAC 33:IX.2511.A.1, storm water discharges shall not be required to obtain an LPDES permit "... except... discharges associated with industrial activity." In accordance with LAC 33:IX.2511.B.14.a-k, facilities classified as SIC code 2048 are considered to have storm water discharges associated with industrial activity.

For first time permit issuance, the SWP3 shall be prepared, implemented, and maintained within six (6) months of the effective date of the final permit. **For renewal permit issuance,** the SWP3 shall be reviewed and updated, if necessary, within six (6) months of the effective date of the final permit. The plan should identify potential sources of storm water pollution and ensure the implementation of practices to prevent and reduce pollutants in storm water discharges associated with industrial activity at the facility (see Narrative Requirements for the AI).